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(54) Title: **MYCOPLASMA POLYPEPTIDES**

(57) Abstract: The invention provides methods and materials related to mycoplasma. For example, the invention provides mycoplasma polypeptides having the ability to increase calcium release from cells (e.g., porcine ciliated tracheal cells) as well as antibodies that bind to such mycoplasma polypeptides. In addition, the invention provides methods for identifying inhibitors of mycoplasma-induced calcium release from porcine ciliated tracheal cells.

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